UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/726,532	12/04/2003	Ronald Scott Bolder	ALC 3102	7943

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EXAMINER
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ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
Office Action Summary	10/726,532	BOLDER ET AL.
	Examiner	Art Unit	
	Thuy Dao	2192	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _03_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _04 September 2008_.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-25 and 28-42_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-25 and 28-42_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on _04 December 2003_ is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114.

2. Claims 1-25 and 28-42 have been examined.

Response to Amendments

3. In the instant amendment, claims 1, 5-6, 8-10, 16, 21, 24-25, 30, 32, and 34 have been amended.

4. The objection to claims 16, 21, and 25 is withdrawn in view of Applicant's amendments.

Response to Arguments

5. Applicants' arguments have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections – 35 USC §102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 1-25 and 28-42 are rejected under 35 U.S.C. 102(e) as being anticipated by US Patent No. 7,305,659 to Muller et al. (art made of record, hereafter "Muller").

Claim 1:

Muller discloses *a script management system comprising:*

a script repository embedded in a computer-readable recording medium, the script repository retrievably storing a plurality of parameterized command script templates (e.g., FIG. 1, col.3: 62 - col.4: 61)

wherein at least one command specification constituent of a command script template specifies a user parameter identifier (e.g., FIG. 5A, blocks 505-510, col.7: 41 – col.8: 8) *and*

a managed entity configuration management module populating parameterized command script templates in deriving corresponding command scripts (e.g., FIG. 3, col.6: 10-47; FIG. 4A, col.6: 48 - col.7: 2) *and*

a versioning module ensuring that appropriate user parameter set versions are used to populate the command script templates (e.g., FIG. 5A, blocks 515-530, col.7: 41 – col.8: 8) *and*

ignoring extra user parameters in a user parameter set when an old version of a user parameter set is used with a modified command script template (e.g., FIG. 5B, blocks 534-536-580-550, col.8: 9-52).

Claim 2:

The rejection of claim 1 is incorporated. Muller also discloses:

at least one command constituent of the command script template further specifies a user parameter identifier (e.g., col.8: 53 – col.9: 11)

entering a user parameter value for the user parameter identifier, saving the user parameter value with the script repository, optionally requesting the user parameter value from the script repository (e.g., col.9: 11-45),

optionally retrieving the user parameter value from the script repository, optionally editing the user parameter value, and optionally deleting the user parameter value (e.g., col.8: 53 – col.9: 11).

Claim 3:

The rejection of claim 2 is incorporated. Muller also discloses:

the command script template is stored in the script repository along with a command script template version identifier (e.g., col.3: 62 – col.4: 61),

user parameter values corresponding to the at least one command specifications constituent of the command script template are stored in a user parameter set having a user parameter set version identifier (e.g., col.2: 4 – col.3: 18); *and*

the versioning module inspecting the command script template version identifier and the user parameter set version identifier to ensure correspondence there between (e.g., col.3: 62 – col.4: 61).

Claim 4:

The rejection of claim 3 is incorporated. Muller also discloses *requesting additional user parameter values to be entered via the managed entity configuration human-machine interface when discrepancies arise between a command script template version identifier and a user parameter set identifier* (e.g., col.9: 11-45).

Claim 5:

The rejection of claim 1 is incorporated. Muller also discloses:

at least one command constituent of the command script template further specifies a network management system parameter identifier (e.g., col.7: 3-40)

obtaining a corresponding managed entity parameter value from one of a network management system and a network management system database (e.g., col.6: 48 – col.7:2).

Claim 6:

The rejection of claim 1 is incorporated. Muller also discloses:

each command script template further comprises an associated script execution dependency specification identifying at least one command script required to be executed in advance thereof (e.g., col.2: 4 – col.3: 18),

a script sequencer inspecting the script execution dependency specification of at least one command script, the command script being derived from a corresponding command script template (e.g., col.3: 62 – col.4: 61),

to determine whether an at least one additional command script is required to be executed in advance thereof; the submitted and the additional command scripts representing an apply list of scripts (e.g., col.4: 62 – col.5: 50),

the script execution dependency specification and the script sequencer enabling the use of specific command script templates in respect of discrete configuration tasks (e.g., col.2: 4 – col.3: 18),

wherein script execution dependency specified combinations specify complex communications network managed entity configurations tasks (e.g., col.3: 62 – col.4; 61).

Claim 7:

The rejection of claim 6 is incorporated. Muller also discloses *the script execution dependency specification further comprises a script execution dependency table* (e.g., col.7:3-40).

Claim 8:

The rejection of claim 6 is incorporated. Muller also discloses *the managed communications network entity configuration management module further submits sequenced command scripts to at least one target managed communications network entity for execution in configuring thereof* (e.g., col.4: 62 – col.5: 50).

Claim 9:

The rejection of claim 8 is incorporated. Muller also discloses *a managed entity configuration human-machine interface including means for: target managed entity selection, command script template selection* (e.g., col.6: 48 – col.7: 2), *and*

submission of the command script template selection for configuration of the at least one selected target managed entity to the managed communications network entity configuration management module (e.g., col.6: 10-47).

Claim 10:

The rejection of claim 9 is incorporated. Muller also discloses *each target managed entity comprises one of: a router, an interface, a routing protocol, and an Internet Protocol link* (e.g., col.3: 62 – col.4: 61).

Claim 11:

The rejection of claim 1 is incorporated. Muller also discloses *an analyst human-machine interface including means for: command script template creation, submission of the command script template to the script repository for storage, optional retrieval of the command script template, and optional modification of the command script template* (e.g., col.8: 53 – col.9: 11).

Claim 12:

The rejection of claim 11 is incorporated. Muller also discloses *parameterized command script template specification in creating thereof* (e.g., col.9: 11-45).

Claim 13:

The rejection of claim 11 is incorporated. Muller also discloses *command script template specification in accordance with one command interface language from:*

Command Line Interface (CLI), eXtensible Markup Language (XML) (e.g., col.6: 48 – col.7: 2),

Node Management Terminal Interface (NMTI), and Transaction Language 1 (TL1) (e.g., col.7; 3-40).

Claim 14:

The rejection of claim 11 is incorporated. Muller also discloses *script execution dependency specification* (e.g., col.3: 62 – col.4: 61).

Claim 15:

The rejection of claim 11 is incorporated. Muller also discloses *command script execution authorization specification in respect of the command script template* (e.g., col.7: 41 – col.8: 8).

Claim 16:

Muller discloses *an analyst human-machine interface, embedded in a computer-readable recording medium, for communications network managed entity configuration comprising means for:*

command script template creation (e.g., col.3: 62 – col.4: 61)

submission of the command script template to a script repository for storage (e.g., FIG. 1, col.2: 4 – col.3: 18),

submission of multiple versions of user parameter sets to the script repository for storage (e.g., FIG. 5A, col.7: 41 – col.8: 8; col.1: 34 – col.2: 56),

retrieval of the command script template and the user parameter sets (e.g., col.8: 9-52),

modification of the command script template (e.g., col.col.6: 48 – col.7: 2),

ensuring that appropriate versions of the user parameter sets populate the command script template (e.g., col.col.7: 41 – col.8: 8), *and*

ignoring extra user parameters in a user parameter set when an old version of a user parameter set is used with a modified command script template (e.g., FIG. 5B, blocks 534-536-580-550, col.8: 9-52).

Claim 17:

The rejection of claim 16 is incorporated. Muller also discloses *parameterized command script template specification in creating thereof* (e.g., col.4: 62 – col.5: 50).

Claim 18:

The rejection of claim 16 is incorporated. Muller also discloses *script execution dependency specification in respect of a command script template* (e.g., col.7: 3-40).

Claim 19:

The rejection of claim 16 is incorporated. Muller also discloses *command script execution authorization specification in respect of the command script template* (e.g., col.2: 4 – col.3: 18).

Claim 20:

The rejection of claim 16 is incorporated. Muller also discloses *command script template creation means provides command script template specification in accordance with one command interface language from:*

Command Line Interface (CLI), eXtensible Markup Language (XML) (e.g., col.7: 41 – col.8: 8),

Node Management Terminal Interface (NMTI), and Transaction Language 1 (TL1) (e.g., col.8: 9-52).

Claim 21:

Muller discloses *a managed entity configuration human-machine interface embedded in a computer-readable recording medium, comprising means for:*

command script template selection from a group of command script templates (e.g., FIG. 4A, col.6: 48 – col.7: 2),

submission of the command script template selection for the configuration of at lest one target managed entity (e.g., col.6: 10-47) *and*

ensuring that appropriate user parameter set versions populate the command script templates (e.g., col.7: 41 – col.8: 8), *and*

ignoring extra user parameters in a user parameter set when an old version of a user parameter set is used with a modified command script template (e.g., col.8: 9-52).

Claim 22:

The rejection of claim 21 is incorporated. Muller also discloses:

command script template specification is parameterized, at least one command constituent of the command script template specifies a user parameter identifier (e.g., col.8: 53 – col.9: 11),

entering a user parameter value, submitting the user parameter value for storage in a repository, optionally retrieving the user parameter value from the script repository (e.g., col.9: 11-45),

optionally editing the user parameter value, and optionally deleting the user parameter value (e.g., col.8: 53 – col.9: 11).

Claim 23:

The rejection of claim 21 is incorporated. Muller also discloses *target managed entity selection from a group of managed communications network entities* (e.g., col.1: 34 – col.2: 56).

Claim 24:

The rejection of claim 23 is incorporated. Muller also discloses *each target managed entity comprises one of: a router, an interface, a routing protocol, an Internet Protocol link* (e.g., col.2: 4 – col.3: 18).

Claim 25:

Muller discloses *a computer-readable recording medium comprising:*

at least one parameterized command script template (e.g., col.3: 62 – col.4: 61)

comprising an associated version specification (e.g., col.7: 41 – col.8: 8),

a user parameter set comprising the same associated version specification (e.g., col.6: 48 – col.7: 2) *and*

instructions for ignoring extra user parameters in a user parameter set when an old version of a user parameter set is used with a modified command script template (e.g., col.8: 9-52).

Claim 28:

The rejection of claim 25 is incorporated. Muller also discloses *at least one command script template of a plurality of command script templates further comprises a script execution dependency specification specifying another command script derived from one other command script template to be submitted for prior execution* (e.g., col.3: 62 – col.4: 61).

Claim 29:

The rejection of claim 25 is incorporated. Muller also discloses *the at least one parameterized command script template is specified in accordance with one command interface language from:*

Command Line Interface (CLI), eXtensible Markup Language (XML) (e.g., col.9: 11-45),

Node Management Terminal Interface (NMTI), and Transaction Language 1 (TL1) (e.g., col.8: 53 – col.9: 11).

Claim 30:

Muller discloses *a method of configuring communications network a managed entity comprising the steps of:*

selecting at least one parameterized script template from a plurality of parameterized script templates based on a configuration task to be performed on the managed entity (e.g., col.3: 62 – col.4: 61; col.7: 41 – col.8: 8);

populating the parameterized command script template with parameter set to derive a command script in respect of the configuration task (e.g., col.col.6: 10-47; col.7: 41 – col.8: 8); *and*

submitting the command script to the managed entity for execution (e.g., col.6: 48 – col.7: 2; col.7: 41 – col.8: 8), *and*

ignoring extra user parameters in a user parameter set when an old version of a user parameter set is used with a modified command script template (e.g., col.8: 9-52).

Claim 31:

The rejection of claim 30 is incorporated. Muller also discloses *retrieving the at least one parameter value from a repository* (e.g., col.2: 4 – col.3: 18).

Claim 32:

The rejection of claim 31 is incorporated. Muller also discloses *retrieving the at least one parameter value from the repository the method further comprises a step of: retrieving a user parameter set including a plurality of user parameter values for the command script template* (e.g., col.1: 34 – col.2: 56).

Claim 33:

The rejection of claim 32 is incorporated. Muller also discloses *populating the command script template further comprising step of:*

determining that a user parameter value is not provided in a user parameter set (e.g., col.8: 53 – col.9: 11); *and*

prompting a user to enter the missing user parameter value to populate the command script template (e.g., col.9: 11-45).

Claim 34:

The rejection of claim 33 is incorporated. Muller also discloses *storing user parameter set versions in a script repository* (e.g., col.4: 62 – col.5: 50).

Claim 35:

The rejection of claim 34 is incorporated. Muller also discloses:

each command script template has an associated version specification (e.g., col.3: 62 – col.4: 61),

in retrieving the user parameter sets, comparing the command script template version with the user parameter set version (e.g., col.4: 62 – col.5: 50); *and*

selectively re-entering a user parameter in the user parameter set if the user parameter has changed (e.g., col.3: 62 – col.4: 61).

Claim 36:

The rejection of claim 30s incorporated. Muller also discloses *populating the parameterized command script template with at least one network management system parameter value to derive a command script in respect of the configuration task* (e.g., col.7: 3-40).

Claim 37:

The rejection of claim 36 is incorporated. Muller also discloses *retrieving a network management system parameter value* (e.g., col.9: 11-45).

Claim 38:

The rejection of claim 37 is incorporated. Muller also discloses *requesting the network management system parameter value from one of a network management system and a network management system database* (e.g., col.2: 4 – col.3: 18).

Claim 39:

The rejection of claim 30 is incorporated. Muller also discloses *retrieving the at least one selected command script template from a script repository* (e.g., col.1: 34 – col.2: 56).

Claim 40:

The rejection of claim 39 is incorporated. Muller also discloses *electing more than one command script template, the method further comprises the step of: generating an apply list of command scripts* (e.g., col.4: 62 – col.5: 50).

Claim 41:

The rejection of claim 40 is incorporated. Muller also discloses:

a command script template further includes a script execution dependency specification specifying command scripts required to be executed before the corresponding command script (e.g., col.8: 53 – col.9: 11),

ordering the plurality of command script templates in the apply list (e.g., col.9: 11-45).

Claim 42:

The rejection of claim 41 is incorporated. Muller also discloses:

determining that a script execution dependency specification specifies a command script not currently a member of the apply list (e.g., col.3: 62 – col.4: 61); *and*

retrieving the corresponding command script template from a script repository for inclusion in the apply list (e.g., col.2: 4 – col.3: 18; col.4: 62 – col.5: 50).

Conclusion

8. Any inquiry concerning this communication should be directed to examiner Thuy Dao (Twee), whose telephone/fax numbers are (571) 272 8570 and (571) 273 8570, respectively. The examiner can normally be reached on every Tuesday, Thursday, and Friday from 6:00AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam, can be reached at (571) 272 3695.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273 8300.

Any inquiry of a general nature of relating to the status of this application or proceeding should be directed to the TC 2100 Group receptionist whose telephone number is (571) 272 2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Thuy Dao/   /Tuan Q. Dam/

Examiner, Art Unit 2192   Supervisory Patent Examiner, Art Unit 2192